NO. | NAME

MANSFIELD, CONN. - W C A C - CONNECTICUT AGRICULTURAL COLLEGE.

BE-1-1
WCAC

BROADCAST STATION PROGRAM REPORT

"WCAC"

Connecticut Agricultural College
Mechanics Arts Building
Storrs, Conn.

TRANSMITTER

Located at Mechanics Arts Building
Power - 250 Watts
Direct Crystal Temperature Controlled

STUDIO

Mechanics Arts Building

CHANNEL

600 Kc/s
(Regional - Canadian Shared)
(Limited Time)

PROGRAMS

Summer Season
(June - July - August)
Off Air during School Vacation

RADIO DIV. COMMERCE

WCAC

May 10, 1932.

Connecticut Agricultural College,
Radio Station WCAC,
Storrs, Connecticut.

Gentlemen:

The Commission is receipt of your request of April 22, 1932, for permission to discontinue operating from June 13, 1932 to October 3, 1932, on account of the inactivity of the school during this period.

On May 3, 1932 the Commission approved your request.

Very truly yours,

James W. Baldwin,
Secretary.

(Minute #645 - May 3, 1932)
fbb
cc files
Mr. Smith
Mr. Messing
Radio Division

SIGNED FOR ABOVE
MAILED BY
MAY 10 1932
MAIL AND FILES

RADIO DIV. COMMERCE

File
Copy sent 3R 1-13-32.

January 9, 1932.

WCAC

Connecticut Agricultural College,
Radio Station WCAC,
Storrs, Connecticut.

Gentlemen:

There is returned herewith your application for renewal of license dated December 23, 1931 because it is inconsistent with the rules and regulations of the Commission. Section 9 of the application must be answered.

It is further noted that the time sharing agreement submitted with the application provides for Station WCAC to operate from Monday to Friday, inclusive, from 12:30 p. m. to 1:00 p. m. and from 7:00 p. m. to 8:00 p. m. In this connection you are informed that the Commission, after hearing, designated specified hours of operation for Station WCAC and Station WICC, which hours of operation may not be changed without first obtaining express authority from the Commission for such change.

Since specific hours of operation are designated in your license, it is no longer necessary that you submit a time sharing agreement with each application for renewal of license as the hours shown on your now existing license will be adhered to in issuing further licenses.

There is enclosed herewith Form 303 in triplicate which should be filled out and submitted in duplicate to your local Supervisor of Radio for transmittal to this office.

Very truly yours,

James W. Baldwin,
Secretary.

Enc.
WPH-jg
cc files
Mr. Smith
Mr. Massing
Mr. Starbuck
Mr. Adair
Radio Division

SIGNED BY ABOVE
MAILED BY
JAN 9 1932
MAIL AND FILES

INSPECTION RECORD

Test Time 10.20 A M.

Conn Agricultural College — (Name of station or ship) — (Nationality) — (Company or line) — 1st (Radio district) — 10-16-31 (Date of inspection)

(Address, if land station) — WCAC (Radio call letters) — Classification B C-2

Owner of radio apparatus Conn. Agric. College — Operators employed by Same

(If ship) Master — Clearing from — for

OPERATORS

Name	Class	Where and When Certified and License Number
D. E. Noble	Comm. 2nd	Boston Apr. 22, 1931 #7189

Remarks:

APPARATUS

System and type Composite — No. of power amps. 2 — Type 212-D — Power rating 250 W

Power ~~Nat~~ put 250 W. — No. of oscillators 1 — Type UX-112A — Power rating

Is proper means provided for reducing power? — No. of modulators 4 — Type 212-D — Power rating 250 W

Form of coupling Inductive — Plate voltage on P. A. 1100 — On oscillators 450 — On modulators 2000

Primary power supply 220 V 30 AC (D. C. or A. C. and cycles) (Condition) — Total plate current of P. A. 380 — Of oscillators — Of modulators 400

Power available (Hours) — Filament voltage on P. A. 10 — On oscillators 5 — On modulators 14

Frequency indicator, type — Total filament current of P. A. 12 — Of oscillators 25 — Of modulators 24

Receiving apparatus, type none — Range of wave lengths — Condition

Remarks:

EMERGENCY APPARATUS

		Assigned Frequency	Measured Frequency	Ant. Current	Log. Dec.
System and type	Storage battery				
Antenna current	Location				
Type of antenna	Number of cells	500 Kc.		5.7	
Weather conditions—damp or dry	Ampere-hour capacity				
Spare detectors Type	Normal discharge rate				
Spare head telephones	Voltage: No load				
Communication between bridge and radio room:	Voltage: Full load				
Type Condition	General condition				

Remarks:

Form 771
DEPARTMENT OF COMMERCE
RADIO DIVISION

(ORIGINAL)

(*Signature of radio inspector*) Roger E. Phelps

U. S. GOVERNMENT PRINTING OFFICE: 1928 11—5026

Charles A. Stolster

DEPARTMENT OF COMMERCE
RADIO DIVISION

Port of _____

Date, _____

Capt. _____

An inspection made this date of the radio station of the S. S. _____, *of which you are master, indicates that the equipment* _____ (Does or does not) *conform to the requirements of the act of July 23, 1912, amending the act of June 24, 1910, requiring "apparatus and operators for radio communication on certain steamers," and the Radio Act of 1927, in the following particulars:*

_____

_____

_____

_____

If the steamer leaves this port for _____, *as announced, without proper repairs to the radio equipment having been made, you will be liable to a penalty of $5,000.*

Time _____ M.

_____, *Radio Inspector.*

B/C ~~WICC~~
WCAC

March 24, 1931.

Supervisor of Radio,
Customhouse,
Boston, Mass.

Dear Sir:

Receipt is acknowledged of your letter of the 20th instant, forwarding in triplicate time sharing agreement between WICC and WCAC. The same has this date been referred to the Federal Radio Commission.

It is noted there is still some doubt in your mind as to whether or not it is necessary at this time to file these agreements. It is also noted what you say about the provisions of General Order 105, Section 4, requiring applicant to file such agreements with and as a part of applications for renewal of licenses filed subsequent to May 1, 1931. This is correct, but as all licensees in your district have already filed applications for renewal, all licensees are required according to Federal Radio Commission memorandum March 12, 1931, to file immediately said agreements in triplicate to be placed with and become a part of these applications which are now on file with the Commission. It is the intention of the Commission to issue licenses for the term beginning April 30th on the applications now on file.

In other words, additional applications for renewal are not required at this time but the time sharing agreements must be filed at once.

Respectfully,

W. D. TERRELL

Director of Radio.

ds

2037

DEPARTMENT OF COMMERCE

BUREAU OF NAVIGATION FILES

RADIO DIVISION

2037

Connecticut Agricultural College -

WCAC

2097

CONNECTICUT AGRICULTURAL COLLEGE

P.O. STORRS, CONNECTICUT

MECHANICAL ENGINEERING

May 26, 1923.

NAVIGATION

1923 MAY 28 AM 8 57

Commissioner of Navigation,
Department of Commerce,
Washington, D.C.

Sir:

We are anxious to receive our Radio Broadcasting License and call letters.

We want to broadcast some of our Commencement Program, beginning Sunday, June 3.

Our telegraph address is
The Connecticut Agricultural College,
Willimantic, Conn.
If you see fit to forward our call letters by telegram at our expense.

Very truly yours,

J. N. Fitts.

J. N. Fitts.
Dean Mech. Eng.

2097 M/R

Navigation - Radio COLLECT

June 2, 1923.

The Connecticut Agricultural College,
Willimantic, Conn.

Broadcasting station license issued, wave length 283 meters, call letters W A B L, repeat, W A B L, authorized to operate.

D. B. Carson.

D. B. Carson,
Commissioner.

EMC

7

UNITED STATES DEPARTMENT OF AGRICULTURE
WEATHER BUREAU

Office of the Chief — WASHINGTON

October 30, 1923.

2097 W/R

NAVIGATION

1923 NOV 1 AM 9 19

Commissioner,
Bureau of Navigation,
Department of Commerce,
Washington, D. C.

Sir:

It is recommended that a license to broadcast weather forecasts and information under prescribed regulations be granted to the following station:

Connecticut Agricultural College,
Storrs, Conn.

Respectfully,

C. F. Marvin

C. F. Marvin,
Chief of Bureau.

2097-W/R

January 9, 1926.

Sirs:

You are authorized to continue the operation of your broadcasting station W C A C under conditions specified in your present license pending action upon your application for renewal.

Respectfully,

STEPHEN DAVIS

Acting Secretary of Commerce.

nvc

Connecticut Agricultural College,
Storrs (Mansfield), Conn.

Copy to Supervisor of Radio,
Boston, Mass.

NAVIGATION - Bureau's files.
Exact copy as signed by ...

JAN 12 1926

DEPARTMENT OF COMMERCE
NAVIGATION SERVICE

2097 n/R

OFFICE OF SUPERVISOR OF RADIO
CUSTOMHOUSE
BOSTON, MASS.

NAVIGATION
1926 MAR 10 PM 4 01

March 9th 1926.

Commissioner of Navigation,
Washington, D. C.

Sir:

There are herewith enclosed copies of communications concerning broadcast station W C A C, Connecticut Agricultural College, Storrs, Connecticut, which are self-explanatory.

Respectfully,

Charles C. Colsen

CCK/K
3 encls.

U. S. Supervisor of Radio.

RECEIVED
1926 MAR 10 PM 4 01

March 9th 1926.

Broadcasting Station W C A C,
Connecticut Agricultural College,
Storrs, Connecticut.

Attention of Mr. D. E. Noble, Director of Broadcasting:

Sir:

This is to acknowledge receipt of your communication dated the 8th instant which has been forwarded by this office to the Department at Washington, for their information.

All broadcast channels are being utilized and with duplications in many instances, serious congestion now exists and absolutely no encouragement can be given you at this writing.

Respectfully,

U. S. Supervisor of Radio.

CCK/K

Encl

Broadcasting College Courses to Farmers

THE announcement that an expert has been named to take over control of the radio activities of the Department of Agriculture brings to mind the fact that Secretary Jardine himself, while still president of the Kansas State Agricultural College, was one of the early broadcasters of agricultural extension work. It is beyond question that a systematic development of a definite service will carry pleasure and profit beyond calculation into the homes of the farm families; and the cooperation of federal, state and local agencies as planned in the new program gives promise of realizing the hope that cold and formal lectures will be shelved and that regular classroom instruction by radio will be instituted, with students regularly registered and examined and given full credit for work performed. This was the development of agricultural broadcasting foreseen by William A. Wheeler, member of the Interdepartmental Radio Board, in recommending specific reservations within the broadcast bands of wavelengths for dissemination of agricultural material. Adoption was secured [illegible] the recommenda-

Eagle condenser: Eagle Radio Co.
Duplex condensers: Duplex Condenser & Radio Corp.
DXL condenser, model C: DXL Radio Corp.
Superadio condenser: De Witt-La France Co., Inc.

COPY

ECTICUT AGRICULTURAL COLLEGE

STORRS, CONNECTICUT.

1926 MAR 10 PM 4 01

Dept. March 8th 1926.

o,
n, Mass.

If you will kindly read the enclosed clipping from Popular Radio you will understand why we desire information regarding our chances for a more effective wavelength assignment. We are attempting, as an experiment, to broadcast a carefully planned course in Dairy Farming, but the interference coupled with the very poor transmission efficiency in Connecticut on wavelengths between two and three hundred meters, makes dependable contact with our students impossible.

The Hartford station WTIC puts a strong signal in all parts of Connecticut since their wavelength was increased to 475.9 meters. We considered the possibility of connecting with WTIC by wire but found that no wires were available between Storrs and Hartford suitable for our purpose. Rebroadcasting will not be considered by the owners of WTIC.

Our efforts to secure permission from Mr. Dutee Flint of WDWF for a part time use of their channel failed because of the commercialization of that station under the call WLSI.

Of course we realize that you can not create new channels for our use, but if you could gain for us the use of a high wavelength during some stations silent period (WTIC is silent Wednesday nights), or find some channel that we could use three hours per week, (Mon. Wed. Fri. 7:20 to 8:20 P.M.) we could accomplish much. WCAC would make use of a full time Class B assignment if one were available, but if no unlimited time high wavelengths are to be had we should greatly prefer the use of a long wavelength one night a week to our present unlimited use of the high frequency channel.

Encl

C O P Y

CONNECTICUT AGRICULTURAL COLLEGE

STORRS, CONNECTICUT.

1926 MAR 10 PM 4 01

Mechanical Eng. Dept. March 8th 1926.

Supervisor of Radio,
Customhouse, Boston, Mass.

Dear Mr. Kolster:

If you will kindly read the enclosed clipping from Popular Radio you will understand why we desire information regarding our chances for a more effective wavelength assignment. We are attempting, as an experiment, to broadcast a carefully planned course in Dairy Farming, but the interference coupled with the very poor transmission efficiency in Connecticut on wavelengths between two and three hundred meters, makes dependable contact with our students impossible.

The Hartford station WTIC puts a strong signal in all parts of Connecticut since their wavelength was increased to 475.9 meters. We considered the possibility of connecting with WTIC by wire but found that no wires were available between Storrs and Hartford suitable for our purpose. Rebroadcasting will not be considered by the owners of WTIC.

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Encl

As you know, we are operating, at present, under the letter of permission from the Department of Commerce pending action on our renewal application. We suppose, in view of the survey mentioned in your last letter, that you have recommended some change of assignments and the Dept. of Commerce has not rendered a decision.

We hope that our efforts in the past four years to obtain the use of a wavelength more effective under Connecticut conditions has not proved too persistent, and we wish to thank you for your co-operation.

We eagerly await any information you may have regarding the possibility of a lower frequency channel assignment for our transmitter.

Very truly yours,

(SIGNED) Daniel E. Noble.
Director of Broadcasting.

D.E.Noble/DER

2097
R-D

DEPARTMENT OF COMMERCE
RADIO DIVISION

RADIO DIVISION
1927 JUL 7 PM 1 28

OFFICE OF SUPERVISOR OF RADIO
CUSTOMHOUSE
BOSTON, MASS.

July 6th 1927.

Department of Commerce,
Radio Division,
Washington, D. C.

Gentlemen:

Enclosed herewith is a communication received from Professor A. H. Dreesen of the Connecticut Agricultural College, Storrs, Connecticut, in which he requests authority to erect a low-power radio transmitter in order that he might carry on certain experiments.

His ability to receive and send the Continental Morse code is very meager, in fact he is unable to qualify for an amateur radio operator's license.

The applicant requests, that in view of the fact that the power is limited to 5-watts and operations will be limited to approximately five hours a week, code requirements in his case be waived.

Respectfully,

Charles C. Kolster

CCK/K
2 encls.

U. S. Supervisor of Radio.

C O P Y

CONNECTICUT AGRICULTURAL COLLEGE
STORRS, CONNECTICUT.

July 5th 1927.

Mr. Charles C. Kolster,
U. S. Supervisor of Radio,
Boston, Massachusetts.

Dear Sir:

In reply to your letter of June 23rd, in which you suggest that I write you more detailed statement concerning my proposed experiments.

The experiments in general will cover the linking of land lines with radio. The land line to be used in connection with this will be specially constructed and about a mile long. The specific purpose of this experiment will be to attempt to give more adequate supervision by automatic relays. In connection with this I also have several features on automatic calling apparatus which I am anxious to try out.

I should like to locate on a wavelength between 80 and 100 meters. The power used will not exceed five watts.

To begin with I should like to locate only one station at Mansfield Centre. The pick-up station will be about five miles away. This will give one-way communication and will be sufficient.

Should you desire personal information etc. may I refer you to "Who's Who" in Engineering.

Awaiting your reply, I am

Very truly yours,

(Signed) A. H. DREESEN

CONNECTICUT AGRICULTURAL COLLEGE

STORRS, CONNECTICUT

July 5th, 1927.

Mr. Chas. C. Kolster,
U. S. Supervisor of Radio.,
Boston, Mass.,

Dear Sir;

In reply to your letter of June 23rd, in which you suggest that I write you more detailed statement concerning my proposed experiments.

The experiments in general will cover the linking of land lines with radio. The land line to be used in connection with this will be specially constructed and about a mile long. The specific purpose of this experiment will be to attempt to give more adequate supervision by automatic relays. In connection with this I also have several features on automatic calling apparatus which I am anxious to try out.

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To begin with I should like to locate only one station at Mansfield Centre. The pick-up station will be about five miles away. This will give one way communication and will be sufficient.

Should you desire personal information etc. may I refer you to 'Who's Who' in Engineering.

Awaiting your reply, I am.

Very truly yours,

H. V. Greeson

OFFICE
RECEIVED
JUL 6 192
N.M.

2097-RD

July 9, 1927

Supervisor of Radio,
Customhouse,
Boston, Mass.

Sir:

The Division has your letter of the 6th instant with which you enclosed a letter to you from Professor A. H. Dreesen of the Connecticut Agricultural College at Storrs, Connecticut, requesting that he be authorized to operate an experimental station without the necessity of him having knowledge of the radio code.

In view of the special work that Professor Dreesen contemplates and the limited power that will be used at his station, the Division is of the opinion that a special permit may be issued him in order that he may carry on these experiments.

His application for station license should be submitted in the usual manner together with a further request for the issuance of a temporary operator's permit, and when the station license is issued further consideration will be given to the issuance of the operator's permit.

Professor Dreesen should indicate the approximate period of time these experiments will cover.

Respectfully,

lm

Chief, Radio Division.

RADIO DIVISION

DEPARTMENT OF COMMERCE
RADIO DIVISION

OFFICE OF SUPERVISOR OF RADIO
CUSTOMHOUSE
BOSTON, MASS.

July 21st 1927.

2097 RD

Department of Commerce,
Radio Division,
Washington, D. C.

Gentlemen:

Reference: Division letter 2097-RD, July 9,1927:

There are attached hereto application forms #756-RD and #1 for an operator's temporary permit and an experimental station license in favor of Professor A. H. Dreesen, instructor at the Connecticut Agricultural College, Storrs, Connecticut.

Respectfully,

Charles C. Kolster

CCK/K
3 encls.

U. S. Supervisor of Radio.

2097-RD

July 22, 1927.

Supervisor of Radio,
Customhouse,
Boston, Mass.

Dear Sir:

The Bureau is in receipt of application from Mr. Adalbert Harry Dreesen for an Experimental station license, forwarded through your office.

Before this license can be issued, it will be necessary for Mr. Dreesen to file application for construction permit in accordance with the Radio Act of 1927.

It is requested that you furnish Mr. Dreesen the proper forms for this purpose.

Respectfully,

W. D. TERRELL

lm

Chief, Radio Division.

RADIO DIVISION
1927 AUG 29 AM 9 50

DEPARTMENT OF COMMERCE
RADIO DIVISION

OFFICE OF SUPERVISOR OF RADIO
CUSTOMHOUSE
BOSTON, MASS.

August 27, 1927

2097R-P

Department of Commerce,
Radio Division,
Washington, D. C.

Gentlemen:

Application for experimental station license filed by A. H. Dreesen, Connecticut Agricultural College, Storrs, Connecticut, has been returned by the Commission with the suggestion that the applicant make application for an amateur station license.

Prior to forwarding to the applicant the application blanks for amateur station license, the matter of obtaining a radio operator license with which to operate this amateur radio station is referred to the Division for such action as is deemed advisable.

A copy of Division communication 2097-RD dated the 9th instant is attached for reference.

Respectfully,

Charles C. Stolsen

U. S. Supervisor of Radio.

CCK/p
1 Enc.

2097-RD
2283-RD

August 30, 1927.

Supervisor of Radio,
Customhouse,
Boston, Mass.

Sir:

There are enclosed herewith for your files duplicate copies of Broadcasting Radio Station Licenses issued to the following:

WCAC Connecticut Agricultural College
WTIC The Travelers Insurance Co.

Respectfully,

W. E. DOWNEY

Acting Chief, Radio Division.

Encls.

rk

C O P Y

2097-RD

DEPARTMENT OF COMMERCE
RADIO DIVISION
Washington,

July 9, 1927

Supervisor of Radio,
Customhouse,
Boston, Mass.

Sir:

The Division has your letter of the 6th instant with which you enclosed a letter to you from Professor A. H. Dreesen of the Connecticut Agricultural College at Storrs, Connecticut, requesting that he be authorized to operate an experimental station without the necessity of him having knowledge of the radio code.

In view of the special work that Professor Dreesen contemplates and the limited power that will be used at his station, the Division is of the opinion that a special permit may be issued him in order that he may carry on these experiments.

His application for station license should be submitted in the usual manner together with a further request for the issuance of a temporary operator's permit, and when the station license is issued further consideration will begiven to the issuance of the operator's permit.

Professor Dreesen should indicate the approximate period of time these experiments will cover.

Respectfully,

(Signed) W. D. Terrell

Chief, Radio Division.

LM

2097-RD

August 31, 1927.

Supervisor of Radio,
Customhouse,
Boston, Mass.

Sir:

The Division has your letter of the 27th instant relative to the operation of an amateur station by Professor A. H. Dreesen, who is not the holder of an operator's license.

In reference to the Division's letter to you under date of July 9th, you will note that the Division indicated that a temporary operator permit might be issued to Professor Dreesen for the operation of an experimental station, but in view of the fact that the Federal Radio Commission has declined to issue an experimental license, action upon the issuance of his temporary permit cannot well be taken.

Should an amateur station license be issued to Professor Dreesen, it will be necessary, in accordance with the regulations, that this station be operated by a person holding an amateur operator license or higher.

Respectfully,

W. E. DOWNEY

lm

Acting Chief, Radio Division.

H

2097
RD

DEPARTMENT OF COMMERCE

RADIO DIVISION

RADIO DIVISION
SEP 22 10 20

OFFICE OF SUPERVISOR OF RADIO
CUSTOMHOUSE
BOSTON, MASS.

September 20, 1927.

Radio Division,
Department of Commerce,
Washington, D. C.

Gentlemen:

Professor A. H. Dreesen of the Connecticut Agricultural College, Storrs, Connecticut, who recently made application for an experimental station license but at the suggestion of the Federal Radio Commission filed application for an amateur station license, advises that he is not qualified to pass the ten word code test and asks whether or not special consideration can be given in his case so as to enable him to carry out experiments referred to in a communication attached to his application for experimental station license which is filed with the Division.

The applicant was issued an amateur station license with instructions that it would be necessary, according to regulations, to have his station operated by a person holding an amateur operator's license or higher.

Respectfully,

Charles C. Colsell

CCK/K

U. S. Supervisor of Radio. /

2097-RD

September 27, 1927.

Supervisor of Radio,
Customhouse,
Boston, Mass.

Sir:

Referring to your letter of the 20th instant relative to the case of Professor A. H. Dreesen of the Connecticut Agricultural College, who indicates that he is not qualified to pass the regular examination for amateur operator's license, the Division can see no good reason for waving the regulations relative to the employment of a regular licensed operator in this case.

Respectfully,

W. D. TERRELL

lm

Chief, Radio Division.

B

2097
~~1725~~

March 28, 1929.

MEMORANDUM for Federal Radio Commission:

There is forwarded herewith the following correspondence, for your information:

Letter from Supervisor of Radio, Boston, Mass., transmitting radio program to be attached to Form #37 submitted by the Connecticut Agricultural College, Storrs, Conn.

Letter from Supervisor of Radio, Seattle, Wash., attaching newspaper clipping from Seattle Daily Times of March 21st relative to complaints against Broadcast Station KXA, Seattle.

W. E. DOWNEY

Acting Chief, Radio Division.

Incls.
rk

B

INSPECTION RECORD

Test Time 6.20 P. M. E.S.T.

Connecticut Agricultural College (Name of station or ship) ____ (Nationality) ____ (Company or line) 1st (Radio district) 9-23-30 (Date of inspection)

Storrs Conn. (Address, if land station) WCAC (Radio call letters) Classification ____

Owner of radio apparatus Conn. Agricultural College Operators employed by Conn. Agricultural College.

(If ship) Master ____ Clearing from ____ for ____

OPERATORS

Name	Class	Where and When Certified and License Number
Daniel E Nolle	Commercial 2nd Class	Boston May 6 1929 # 144
Willard VanHeiningen	Commercial 2nd Class Limited	Newyork Limited

Remarks: ____

APPARATUS

System and type Composite M.A. — No. of power amps 2 - in push pull — Type WE 212D — Power rating 250 W

Power output 250 W. — No. of oscillators 2 in push pull — Type UX 210 — Power rating 10 W.

Is proper means provided for reducing power? — — No. of modulators 4 — Type WE 212 D — Power rating 250 W

Form of coupling Inductive — Plate voltage on P. A. 1100 — On oscillators 200 — On modulators 2000

Primary power supply 220 A.C. 3 phase. (D. C. or A. C. and cycles) (Condition) — Total plate current of P. A. 600 — Of oscillators 40 — Of modulators 400

Power available Continuous (Hours) — Filament voltage on P. A. 14 — On oscillators 7.5 — On modulators 14

Frequency indicator, type Crystal Control Crystal check — Total filament current of P. A. 12 — Of oscillators 2.5 — Of modulators 24

Receiving apparatus, type None — Range of wave lengths ____ — Condition ____

Remarks: ____

EMERGENCY APPARATUS

		Assigned Frequency	Measured Frequency	Ant. Current	Log. Dec.
System and type	Storage battery	600 Kc.		5A	
Antenna current	Location				
Type of antenna	Number of cells				
Weather conditions—damp or dry	Ampere-hour capacity				
Spare detectors Type	Normal discharge rate				
Spare head telephones	Voltage: No load				
Communication between bridge and radio room:	Voltage: Full load				
Type Condition	General condition				

Remarks: ____

Form 771
DEPARTMENT OF COMMERCE
RADIO DIVISION

(ORIGINAL) Charles C Stalsten (Signature of radio inspector) Roger E. Phelps

U. S. GOVERNMENT PRINTING OFFICE: 1928 11—5026

DEPARTMENT OF COMMERCE
RADIO DIVISION

Port of ____ Date, ____

Capt. ____

An inspection made this date of the radio station of the S. S. ____, of which you are master, indicates that the equipment ____ (Does or does not) conform to the requirements of the act of July 23, 1912, amending the act of June 24, 1910, requiring "apparatus and operators for radio communication on certain steamers," and the Radio Act of 1927, in the following particulars:

1100 × .6 = 660 inp. × .60 = 396 out put

If the steamer leaves this port for ____, as announced, without proper repairs to the radio equipment having been made, you will be liable to a penalty of $5,000.

Time ____ M.

____, Radio Inspector.